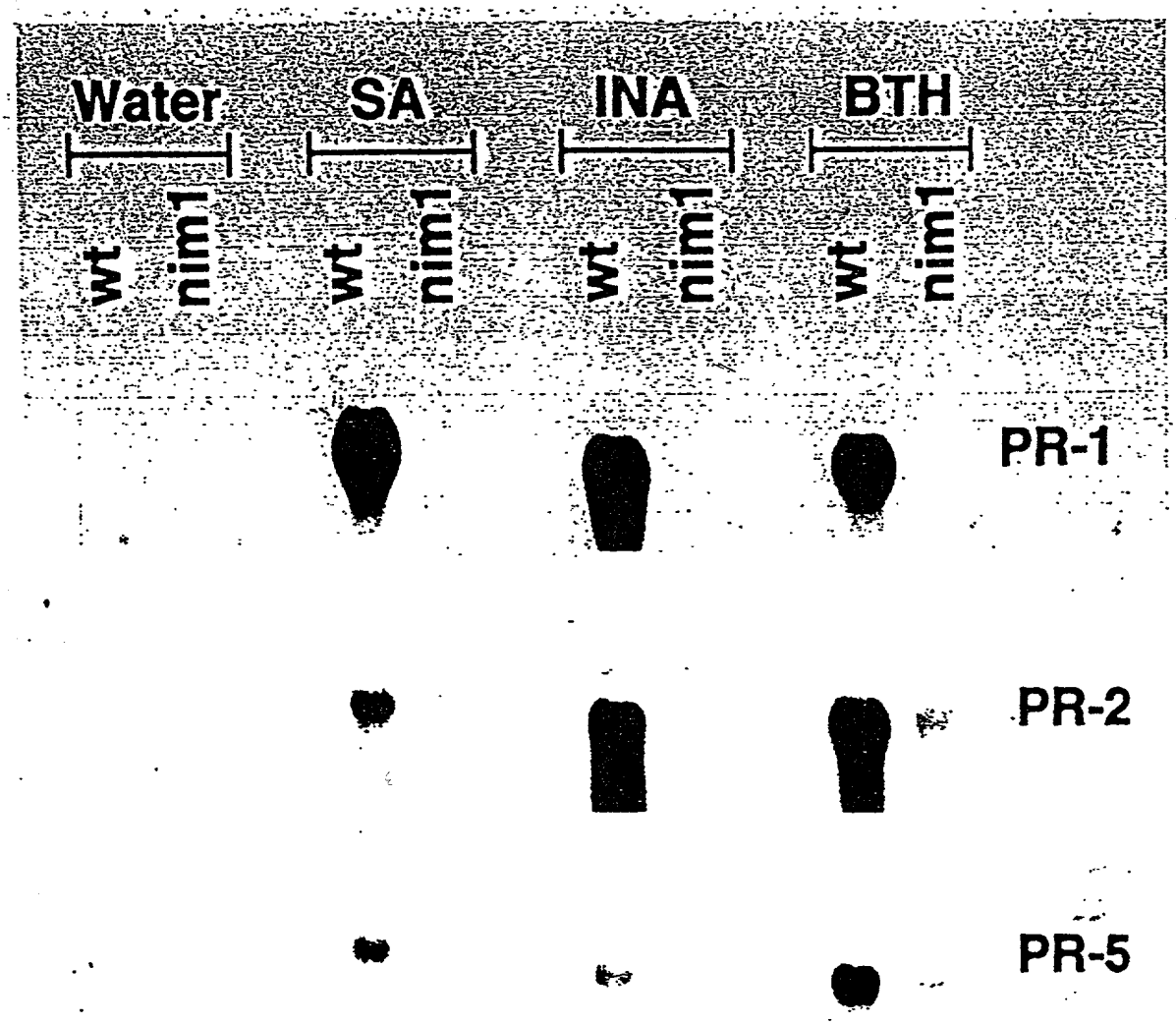

FIG. 1

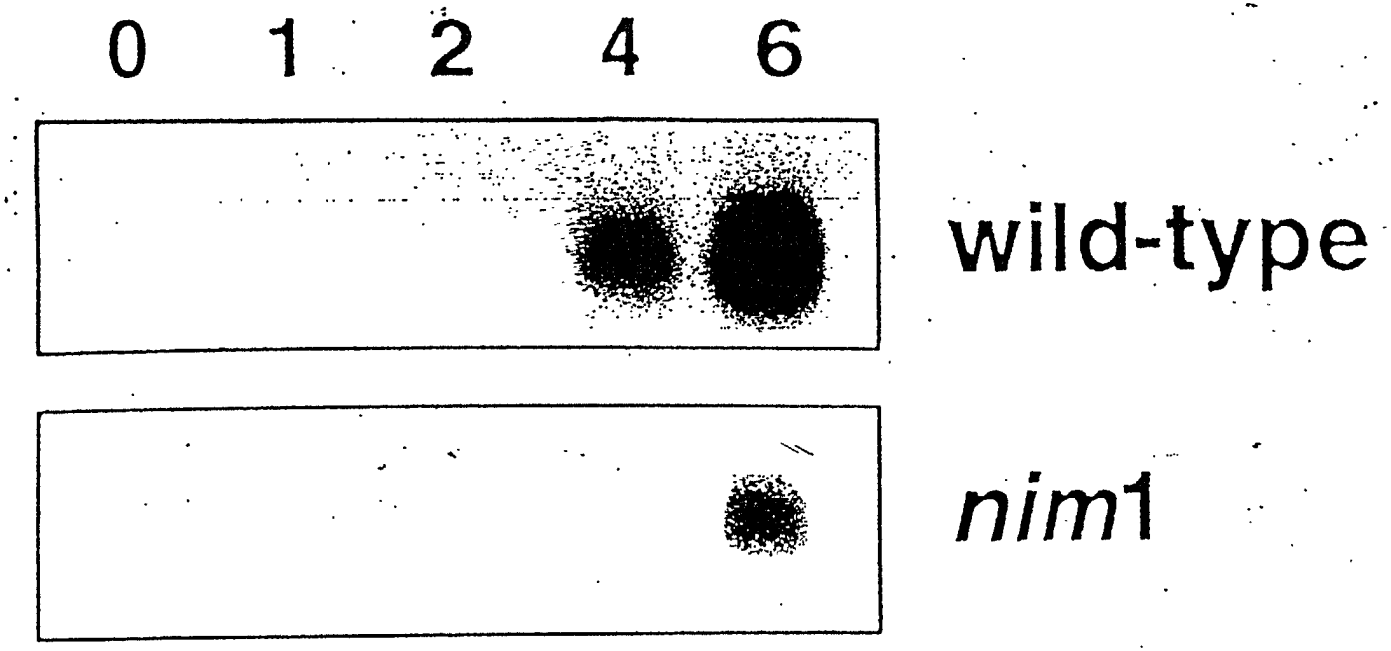

FIG. 2

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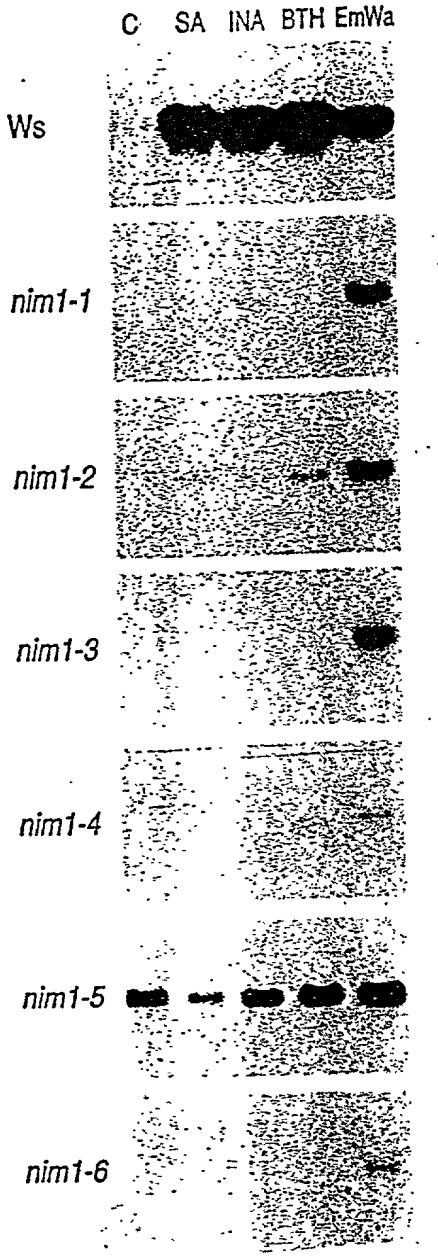

FIG. 3

20617207 SE06/001

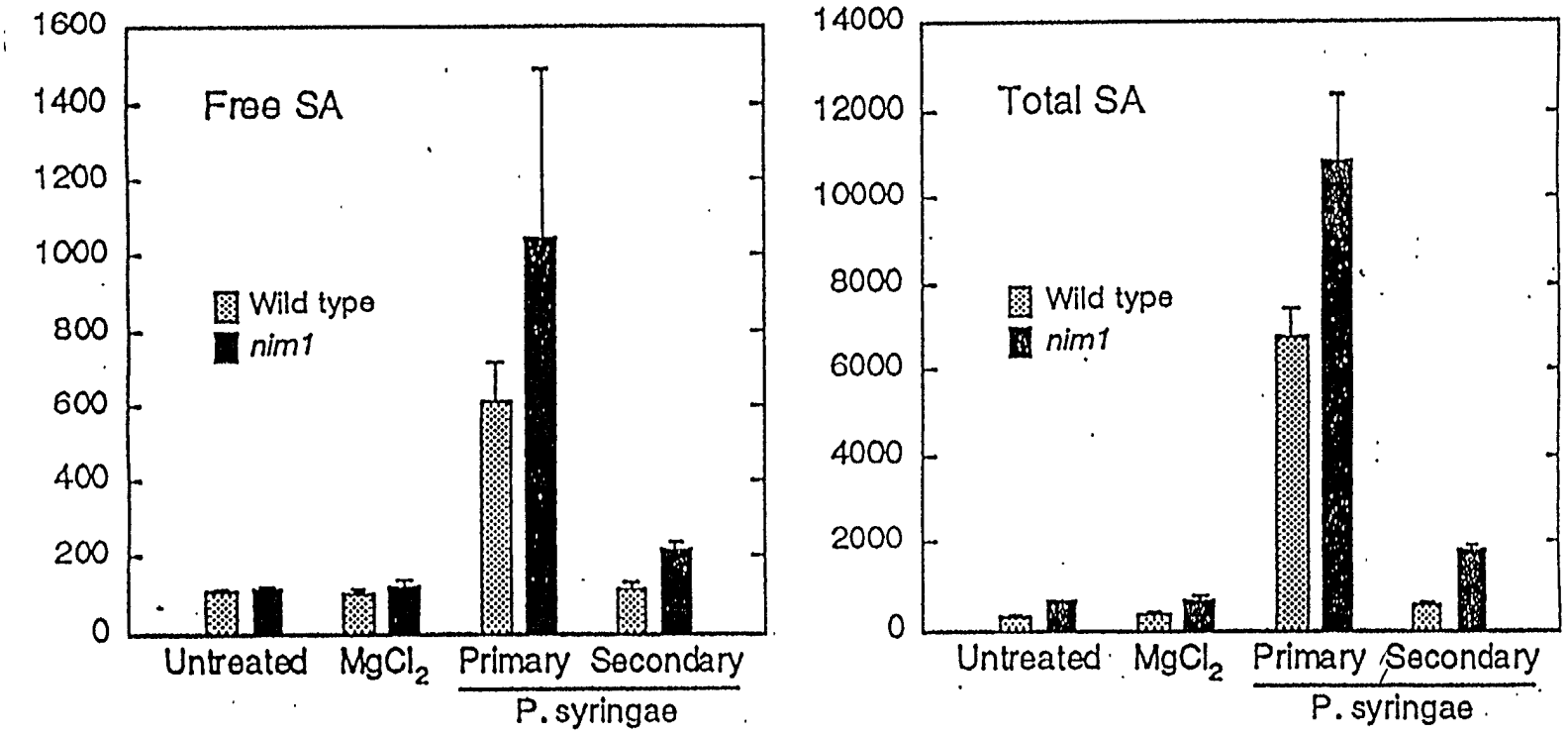

FIG. 4

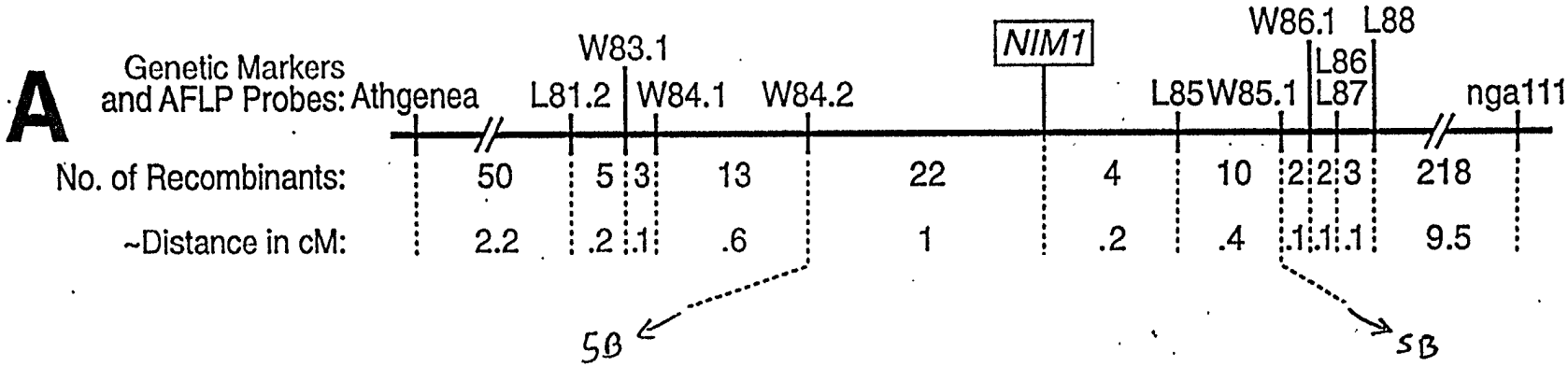
A
Genetic Markers
and AFLP Probes:
Athgenea
W83.1
L81.2
W84.1
W84.2
NIM1
W86.1
L88
L86
L85
W85.1
L87
nga111
No. of Recombinants:
50
5
3
13
22
4
10
2
2
3
218
~Distance in cM:
2.2
.2
.1
.6
1
.2
.4
.1
.1
.1
9.5
5B
5B

FIG. 5A

20612.0 SEQ.TXT

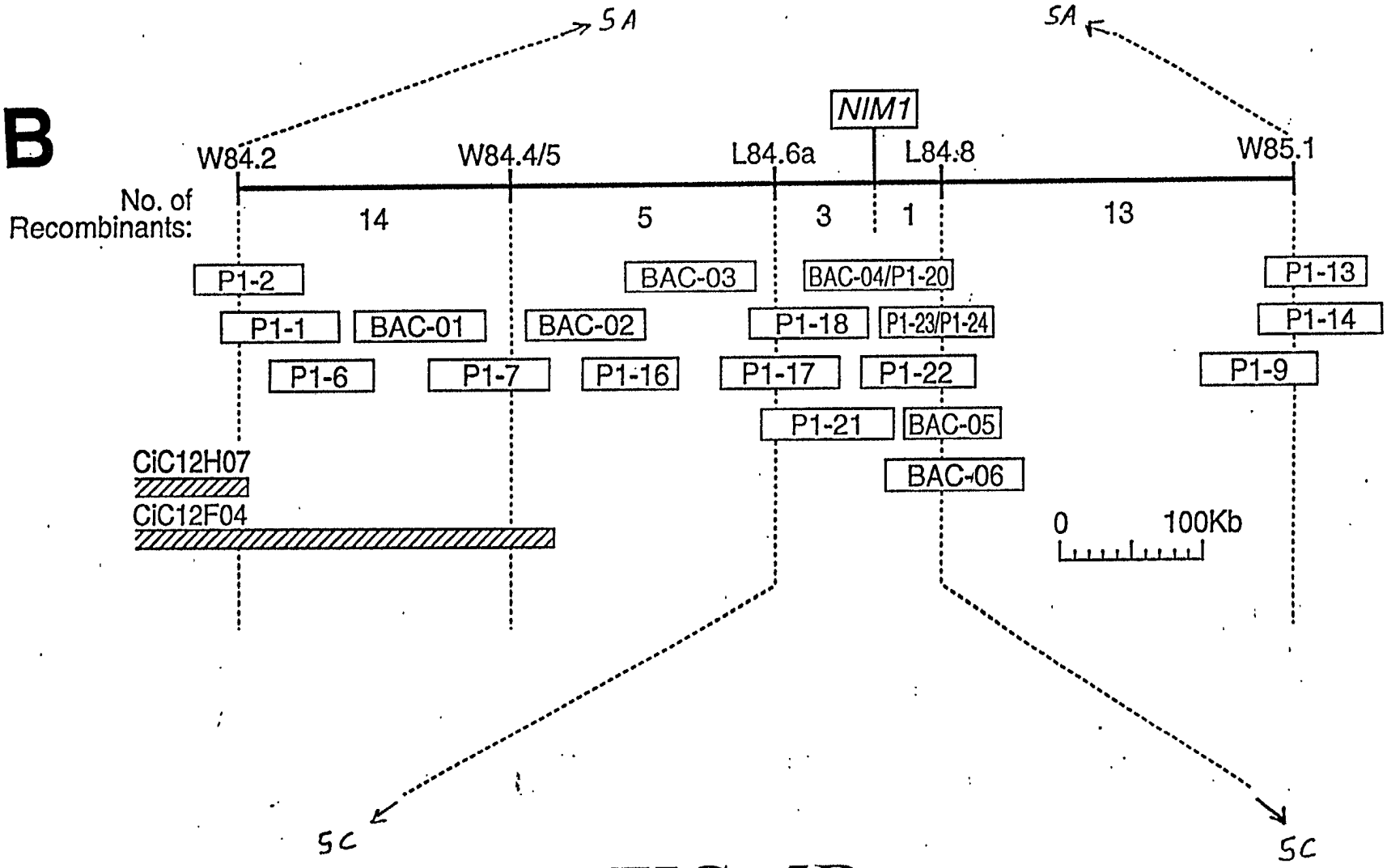

FIG. 5B

C

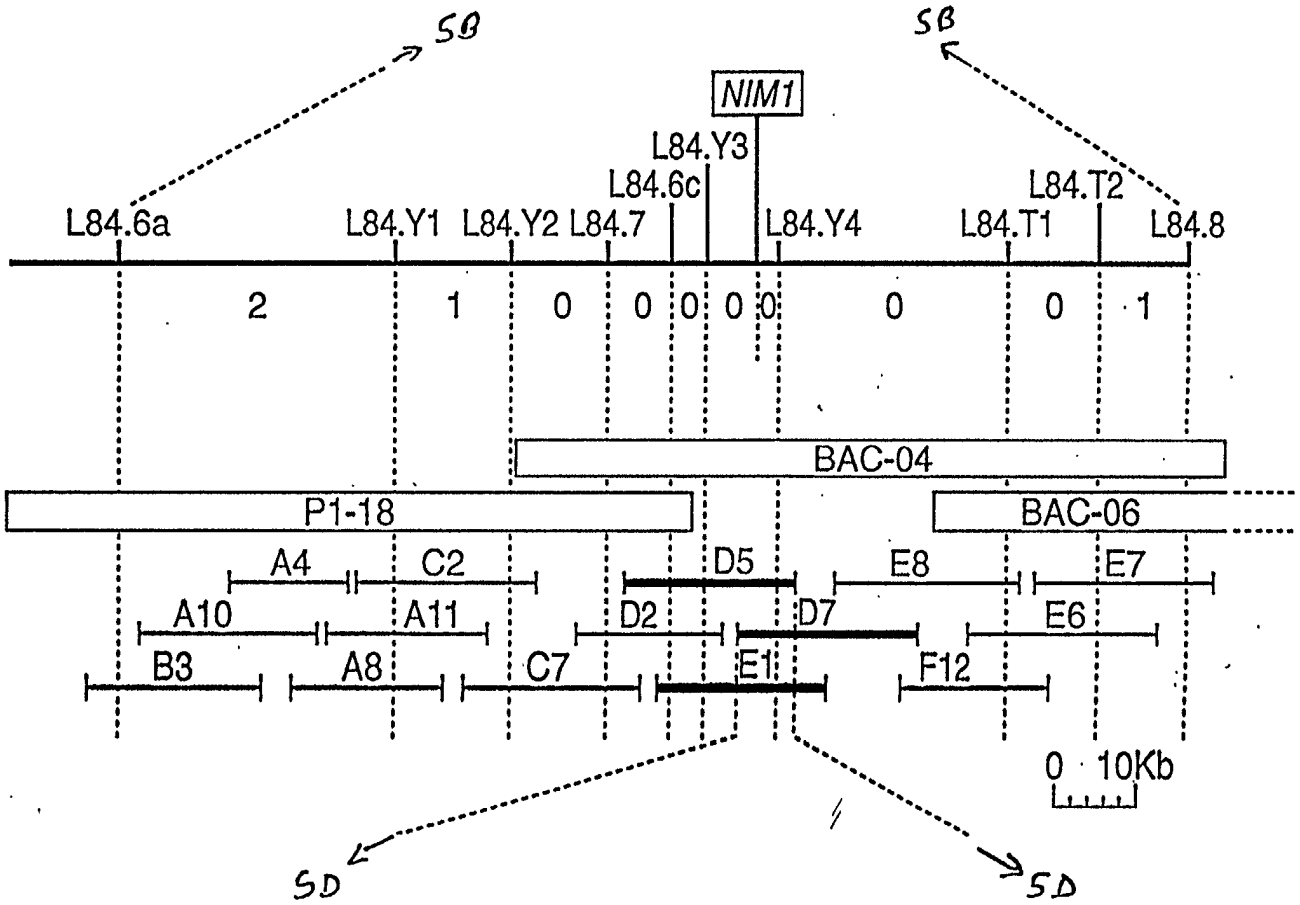
No. of Recombinants:
SB
SB
NIM1
L84.Y3
L84.6c
L84.T2
L84.6a
L84.Y1
L84.Y2
L84.7
L84.Y4
L84.T1
L84.8
2
1
0
0
0
0
0
0
0
1
BAC-04
P1-18
BAC-06
A4
C2
D5
E8
E7
A10
A11
D2
D7
E6
B3
A8
C7
E1
F12
0
10Kb
SD
SD

FIG. 5C

206720 SE06/001

D

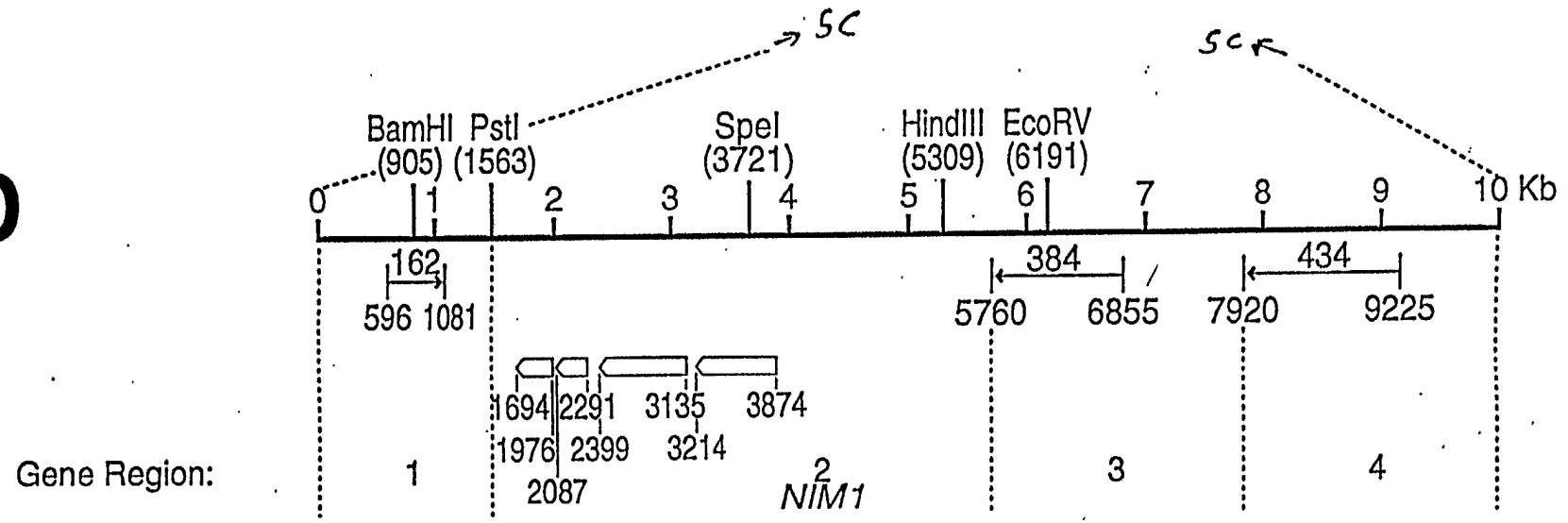

FIG. 5D

2005120 5206/001

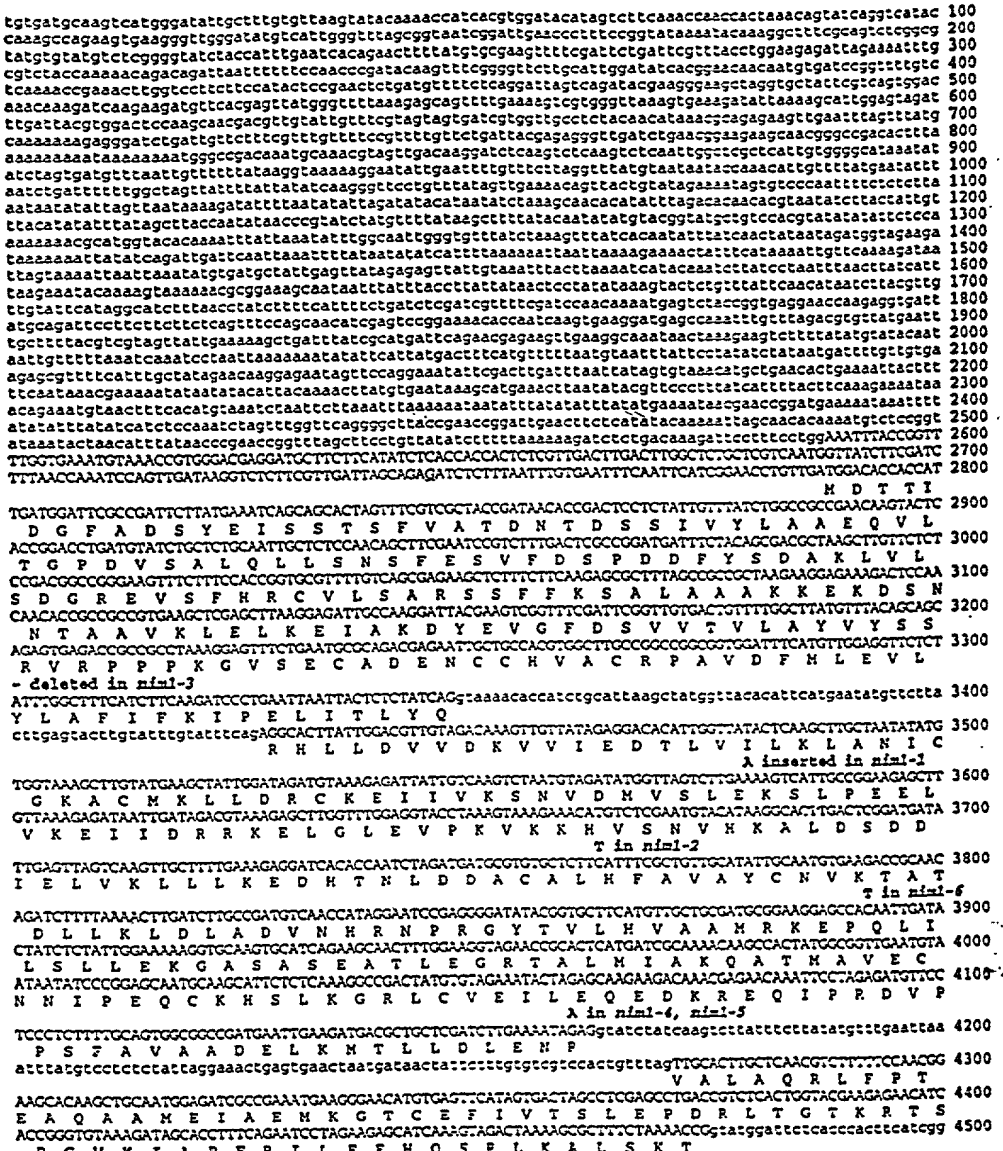

FIG. 6

20070220 - 5E06/001

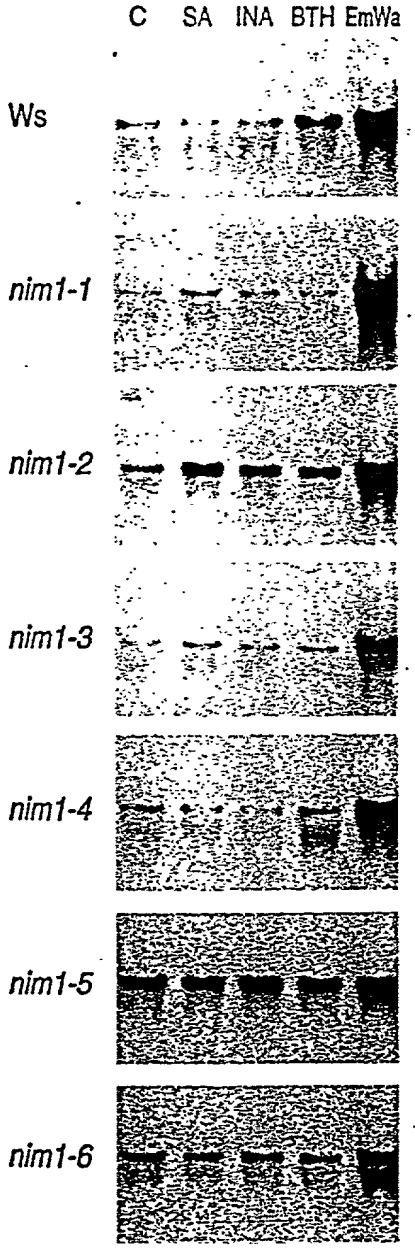

FIG. 7

```
NIM1    :   267 VSNVHKALDSDDIELVKLLLKEDHTNLDDACALHFAVAYCN 307
                +  + +ALD+ DIELVKL++  +  +LDDA A+H+AV +CN
Rice-1  :    33 IRRMRRALDAADIELVKLMVMGEGLDLDDALAVHYAVQHCN 155

NIM1    :   327 PRGYTVLHVAAMRKEPQLILSLLEKGASASEATLEGRT 364
                P G T LH+AA    P ++  LL+  A  +  T +G T
Rice-1  :   215 PTGKTALHLAAEMVSPDMVSVLLDHHADXNFRTXDGVT 328


NIM1    :   267 VSNVHKALDSDDIELVKLLLKEDHTNLDDACALHFAVAYCN 307
                +  + +ALD+ DIELVKL++  +  +LDDA A+H+AV +CN
Rice-2  :    33 IRRMRRALDAADIELVKLMVMGEGLDLDDALAVHYAVQHCN 155

NIM1    :   325 RNPRGYTVLHVAAMRKEPQLILSLLEK 351
                R P   T LH+AA    P ++  LL++
Rice-2  :   208 RRPDSKTALHLAAEMVSPDMVSVLLDQ 288


NIM1    :   267 VSNVHKALDSDDIELVKLLLKEDHTNLDDACALHFAVAYCN 307
                +  + +ALD+ DIELVKL++  +  +LDDA A+H+AV +CN
Rice-3  :    33 IRRMRRALDAADIELVKLMVMGEGLDLDDALAVHYAVQHCN 155

NIM1    :   325 RNPRGYTVLHVAAMRKEPQLILSLLEK 351
                R P   T LH+AA    P ++  LL++
Rice-3  :   208 RRPDSKTALHLAAEMVSPDMVSVLLDQ 288


NIM1    :   267 VSNVHKALDSDDIELVKLLLKEDHTNLDDACALHFAVAYCN 307
                +  + +ALD+ DIELVKL++  +  +LDDA A+H+AV +CN
Rice-4  :    33 IRRMRRALDAADIELVKLMVMGEGLDLDDALAVHYAVQHCN 155

NIM1    :   327 PRGYTVLHVAAMRKEPQLI 345
                P G T LH+AA    P ++
Rice-4  :   215 PTGKTALHLAAEMVSPDMV 271
```

FIG. 8

2016120 5e06/001